

**PROVIDING** 

- Geotechnical Engineering
- Construction Materials Testing
- Environmental Site Assessments
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June 7, 2000 Project No. 97664V3

Ms. Brenda Pohlmann Nevada Division of Environmental Protection 555 E. Washington, Suite 4300 Las Vegas, NV 89101-1049

RE: Results of monthly surface water sampling of the Las Vegas Wash at the Northshore Road bridge.

Dear Ms. Pohlmann:

Per your request, Geotechnical & Environmental Services, Inc. (GES) obtained a surface water sample from the Las Vegas wash on May 30, 2000 near the Northshore Road Bridge. We sent this sample, under chain-of-custody protocol, to NEL Laboratories (NEL) for laboratory analysis of perchlorate. NEL's analysis revealed a perchlorate concentration of 740 micrograms per Liter ( $\mu$ g/L). The NEL report is included with this letter, along with the Perchlorate Summary Table for 2000.

Our services were performed using that degree of care and skill ordinarily exercised under similar circumstances by reputable engineering firms in this or similar localities. No other warranty, either express or implied, is included or intended in this report. We appreciate this opportunity to provide our services. If you have any questions regarding these results, please feel free to call us at 365-1001.

Sincerely,

Geotechnical & Environmental Services, Inc.

Daniel C. Burns, C.E.M.\* #1692 (Expires 10/07/2001)

Project Manager

Gregory 7. DeSart, P.E., C.E.M. #1172/Expires 12/22/2000)

President

\* "I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations and ordinances."

dir

Enc:

2000 Perchlorate Summary Table

**NEL Analytical Report** 

Dist:

1 faxed to addressee at 486-2863

1 original mailed to addressee cc: fax to Jeff Gibson, American Pacific Corporation

cc: mail to Kevin Mayer, USEPA SFD 72, 75 Hawthorne Street, San Francisco, CA 94105

cc: to project file 97664V3

## Las Vegas Wash at Northshore Road Bridge 2000 Summary of Perchlorate Concentrations

Date Sampled	Perchlorate (μg/L)
1/27/00	569
2/28/00	720
3/29/00	870
4/27/00	750
5/30/00	740

## **NEL LABORATORIES**

/0265/15//

Reno · Las Vegas Phoenix • So California

Las Vegas Division 4208 Arcata Way, Suite A • Las Vegas, NV 89030 (702) 657-1010 • Fax: (702) 657-1577 1-888-368-3282



CLIENT:

Geotechnical & Env. Serv.

7560 West Sahara Ave. #101

Las Vegas, NV 89117

ATTN:

Dan Burns

PROJECT NAME:

FPF/97664 V3

PROJECT NUMBER: 97664 V3

NEL ORDER ID: L0005288

Attached are the analytical results for samples in support of the above referenced project.

Samples submitted for this project were not sampled by NEL Laboratories. Samples were received by NEL in good condition, under chain of custody on 5/30/00.

Should you have any questions or comments, please feel free to contact our Client Services department at (702) 657-1010.

Stan Van Wagenen Laboratory Manager

CERTIFICATIONS:

Las Vegas S. California Reno AZ0520 AZ0518 AZ0605 Arizona 1707 2002 California 2264

US Army Corps Certified Certified

of Engineers

Idaho Montana Novada

Las Vegas S. California Reno Certified Certified

Certified Certified

CA084

Corporate Office & Reno Division • 1030 Matley Lane • Reno, NV 89502 • (702) 348-2522

L.A.C.S.D.

NV033 NV052

10228

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NEL LABORATORIES

CLIENT:

Geotechnical & Env. Serv.

PROJECT ID:

FPF/97664 V3

PROJECT #:

97664 V3

CLIENT ID:

North Shore Road Bridge

DATE SAMPLED: 5/29/00

NEL SAMPLE ID: L0005288-01

TEST:

Inorganic Non-Metals

MATRIX:

Aqueous

REPORTING

**PARAMETER** 

RESULT

LIMIT

D.F.

**METHOD** 

UNITS

ANALYZED

Perchlorate

740

80.

20

CA DHSM - IC

 $\mu g/L$ 

6/5/00

D.F. - Dilution Factor

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

**NEL LABORATORIES** 

CLIENT:

Geotechnical & Env. Serv.

PROJECT ID: PROJECT #:

FPF/97664 V3

97664 V3

CLIENT ID:

Method Blank

DATE SAMPLED: NA

NEL SAMPLE ID: 000605CLO4B-BLK

TEST:

Non-Metals

REPORTING

PARAMETER RESULT LIMIT

**METHOD** 

UNITS

ANALYZED

Perchlorate

ND

CA DHSM - IC

 $\mu g/L$ 

6/5/00

D.F. - Dilution Factor

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

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Custody Seal intact? Retinquished by Requested Turnaround: X 5-day 702 365 -- 100 | Billing Address: 500 1200/5-29-60 North Shove Read Las Vegas Division • 4208 Arcata Way, Ste. A • Las Vegas, NV 89030 es Veggs, NV Time/Date Sampled 702-667-1010 · Fax: 702-657-1577 · 888-368-3282 West Salvava Axe, (Prina)  $\overline{C}$ Condition when readived Customer Sample Identification < Reno · Las Vegas · Boise None Phoenix · So. California (1168 702) 3 41-Attention: \_2-day D. Burns LABORATORIES (Signature) 900 Borde 1-day Identification Ø 5-30-001 5-30-00 NEL S S Date/Tin Purchase Order # of Containers CHAIN OF CUSTODY Matrix (Box #1) Preservative (8ox #2) Reschlorate 1702 R Analysis Box #1 metersa DW - Drinting Water WW - Waste Water DL - DiffOrganic Liquid (Print) SD - Solid AQ - Aqueous A - Air Sampled By: (Signature) Box #2 766473 Cooke D C G > 10005288 2/30/8 00-85-C Remarks Date/Time E. Ica Only F. Other G. Mai Preserved 0 hh)

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NEL LAS VEGAS

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